

Notice of Allowability

Application No.

10/736,944

Applicant(s)

CHU ET AL.

Examiner

Ljiljana (Lil) V. Ciric

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the reply filed on 26 September 2007 and the various telephonic interviews noted herein.

2. ☒ The allowed claim(s) is/are 1,2,4-8,17,18 and 20.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20070514.

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____

Ljiljana Ciric
LJILJANA CIRIC
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a succession of telephone interviews with Attorney Kevin P. Radigan, Registration No. 31,789, on 9 April 2007, 1 May 2007, and 14 May 2007.

2. The application has been amended as follows:

In the claims:

Claim 1, line 6: Delete "and" at the end of the line.

Claim 1, line 9: At the end of the line, immediately preceding the period (.), insert the following:

--, the automatic checking further comprising for each coolant loop of the at least one coolant loop of the cooling system:

Closing a first valve of the coolant loop while keeping a second valve of the coolant loop open;

Reading a first pressure value of the coolant in the coolant loop while the first valve is closed and the second valve is open;

Closing the second valve of the coolant loop;

Waiting a defined interval after closing the second valve of the coolant loop;

Reading a second pressure value of the coolant in the coolant loop while both the first pressure valve and the second pressure valve are closed; and,

Determining whether the difference of the first pressure value less the second pressure value is greater than a defined decay value, and if so, retaining isolation of the coolant loop from coolant flow through the cooling system. --

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Cancel claim 3.

Claim 4, line 1: Delete “of claim 3” and replace with –of claim 1--.

Claim 5, line 1: Delete “of claim 3” and replace with –of claim 1--.

Claim 5, lines 1-2: Delete “multiple coolant loops” and replace with –at least one coolant loop--.

Cancel claims 9 through 16.

Claim 17, line 8: Delete “and” at the end of the line.

Claim 17, line 11: At the end of the line, immediately preceding the period (.), insert the following:

--, the automatic checking further comprising for each coolant loop of the at least one coolant loop of the cooling system:

Closing a first valve of the coolant loop while keeping a second valve of the coolant loop open;

Reading a first pressure value of the coolant in the coolant loop while the first valve is closed and the second valve is open;

Closing the second valve of the coolant loop;

Waiting a defined interval after closing the second valve of the coolant loop;

Reading a second pressure value of the coolant in the coolant loop while both the first pressure valve and the second pressure valve are closed; and,

Determining whether the difference of the first pressure value less the second pressure value is greater than a defined decay value, and if so, retaining isolation of the coolant loop from coolant flow through the cooling system. --

Cancel claim 19.

Claim 20, line 1: Delete “of claim 19” and replace with –of claim 17--.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ljiljana (Lil) V. Ciric whose telephone number is 571-272-4909. The examiner works a

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flexible work schedule but can normally be reached on most days during the work week between the hours of 10:30 a.m. and 6:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Ljiljana (Lil) V. Ciric
Primary Examiner
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